



# Tech Info Library

## A/UX: The Macintosh Toolbox, rlogin, and Xindows (8/94)

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Security: Everyone

A/UX: The Macintosh Toolbox, "rlogin", and Xindows (8/94)

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TOPIC -----

This article discusses the relationship of the A/UX Toolbox to "rlogin", and XWindows.

DISCUSSION -----

The basis for the statements in this article is that the current implementation of A/UX Toolbox does not let any device other than the local console device ("/dev/console") access the Macintosh Toolbox ROM functions.

- 1) You cannot launch a Toolbox application after an "rlogin" to the other Macintosh A/UX. If you launch it, you will get an error message similar to the one below:

```
Can't open video device
/dev/console: Permission denied
Fatal error in Toolbox
```

This happens only if you rlogin as somebody different than whoever is logged into the console.

- 2) From your local A/UX Macintosh, you can run the Toolbox "term" program, then "rlogin" to another A/UX Macintosh. After you are in the remote Macintosh A/UX system, no more Toolbox applications can be executed. It will give you the same error message as above, if you execute it.
- 3) You cannot run a Macintosh Toolbox application under an X11 window. The reason is that they are two different window systems, and both use the same console device. They don't know each other and don't know how to share the resource. If you run a Toolbox application under X11 windows, you will get an unpredictable result, like getting the console mixed up and/or the system hanging.

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